

Infrared Classroom Audio System

Model PI30-IRSYS

Sound Solution Enhances Student Performance

Califone has been supporting teachers since 1947 and understands how to utilize audio technology for optimal learning.

Established research has long recognized the validity of enhanced sound field amplification in learning areas. The Infrared Classroom Audio System delivers all of the benefits of sound field amplification (without any interference between classrooms) for greater coverage & reception with the added benefits of two non-powered "array" speakers. This proven technology offers several advantages for teachers and students:

- Two ceiling-mounted IR receivers offer twice the reception of other brands and allows increased wireless coverage within classrooms of up to 2,000 square feet
- Easy to operate belt-pack transmitter & mic* for the teacher, 40' transmission range for mobility about the classroom
- 3. Lockable metal case safely stores equipment
- 4. Two non-powered array speakers (PI30-SP) with protective steel grilles include wall-mounting brackets and hardware (not shown)
- Three transducers with high-performance neodymium magnets, which are twice as efficient as conventional ferrite magnets for more power from a smaller, lighter speaker (easier to install)
- 6. **Wireless handheld mic*** for students(not to be used at the same time as the teacher's mic)
- Built-in mixing panel with patch bay, mixer, amplifier, IR receiver, overnight recharger for belt-pack transmitter
- 8. Condensor, balanced and unbalanced (3.5mm, XLR, 1/4") mic inputs and aux in to connect a computer or other media players for enhanced audio amplification
- 9. Separate volume levels for balanced mic and wireless mic, bass, treble controls

Distributed by:

Included items shown with **bolded** type
* Batteries for mics must be purchased separately

- Targets the sound pattern directly at the audience, not randomly bouncing the sound off walls like canned ceiling speakers
- Evenly distributes volume so level is the same at front/rear
- Dual ceiling sensors expand the coverage area

The Califone Infrared Classroom Audio System will:

- · Improve academic achievement
- · Increase on-task behavior
- Increase attention to verbal instruction
- Improve comprehension for English Language Learners
- · Improve ease of listening and teaching
- Reduce vocal strain and fatigue on teachers



Califone® International Inc. 800-722-0500 www.califone.com



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Specifications

Infrared Mic Specifications*
Transmitting & Receiving Mode

Transmitting & Receiving Frequency 2.35MHZ

Approximately 40 ft., for rooms up to 2,000 sq. feet Wireless Transmission Range:

Current Consumption 240mA

AF Output 650mV AF 1kHZ

Balanced and unbalanced, Mic Inputs: condensor (XLR, 1/4", 3.5mm)

Line Output:

AC Power Requirements: 110 – 125 VAC, 50/60 Hz FM (Frequency Modulation) Modulation:

Sensitivity: 7 microvolts

Frequency Response:
Wireless Transmission Range: 50 Hz - 15 KHz +/- 3dB Approximately 40 ft.

Dynamic Range: 100 dB Distortion <1%

Two 1.2V (AA) or Two 1.5V Battery

(not included)

Student Hand Held Microphone*

2.35MHz Sub-carrier frequencies

Microphone Unidirectional, dynamic 2-'AA' NiMH Rechargeable Power batteries (not included)

* Batteries must be purchased separately

"Project Intercept"

Please contact us immediately if you experience any difficulties with your Infrared Classroom Audio System. Our "Project Intercept" customer service program will quickly repair or replace items under warranty. Simply contact us via phone or email warranty@califone.com

Visit our website at www.califone.com to learn more about the complete line of Califone® audio enhancing and visual technology products including: Wired and Wireless public address systems and lecterns, wireless microphones, headphones & headsets, group listening centers, multimedia players and computer peripheral products.

We are proud of helping teachers enhance student understanding and achievements since 1947, with your satisfaction as our first priority.

The Infrared Classroom Audio System carries a limited six-year warranty and service support available through authorized dealers nation-wide. Its warranty covers school use - unlike some other PA products whose warranties would be voided if used in schools.

Distributed by:

Receiver/Amplifier

Audio Power 30 Watts RMS Power Requirements 18VAC 50 VA for 2 speakers Speaker Connections

Mono inputs 2 - (RCA type, Hi Z, Mixed)

Auxiliary Volume Control

Sub-carrier frequencies 2.35 MHz or 2.85 MHz

Super heterodyne - crystal controlled Type Signal-to-noise >80 dB

Image rejection 40 dB Reception sensitivity >25dBuV Reception selectivity ±40kHz

Condensor, balanced and unbalanced (3.5mm, XLR, 1/4") mic inputs,

aux in and line out

Belt-Pack Transmitter with hands-free headset mic (HBM-316)

2.35MHz Single carrier Audio distortion <1.0% Mic input impedance 2.2k ohms 3.5mm Auxiliary Mic input jack

Built-in mic unidirectional electret

Microphone gain adjustment Max to -50dB

2-'AA' NiMH rechargeable batteries Power

(not included)

Non-Powered Speakers (PI30-SP)

Two (2) wall mounted speakers w/ 2 heavy duty steel mounting brackets Transducers Three per speaker, each 16 Ohm Magnets High performance neodymium 30 watts RMS, 150 - 15kHz Power rating 3.2 lbs. each, bracket 1.7 lbs each Speaker Weight

Connection Terminals Spring-loaded terminals

External Infrared Dome Sensors

Two (2) 360 degree ceiling mounted infrared sensors for optimal coverage of infrared signal pickup throughout the entire classroom

Cable length 30 ft standard Power Powered by receiver 3.9" (D) x 1.2" (thick) 7.5 oz each Size Weight Sensor Type Lensed infrared diode

Number of Lensed Diodes

Reception Angle 360 degrees

Storage Cabinet

Construction Lockable steel case stores mics Built-in charging port For belt-pack transmitter, plug in transformer

Dimensions (L x W x H) 10.6" x 4.75" x 11.8"

17 pounds, combined shipping weight Total System Weight:

of total system 39 lbs.

Safety Approvals: AC Wall adapter is C-UL/CE approved

safe for use in school, business, government and church facilities

6 years from date of purchase (PA only, Warranty

all other parts one year)

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